Documentation Sheet

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Title	*EM Performance Characteristics of Array of Single Square Loop FSS Embedded Radome*
Author/s	N S Babu, R U Nair, R M Jha
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Abstract

Frequency selective surfaces (FSS) find potential applications in the design of radomes. The present study deals with the EM performance of monolithic half-wave, A-sandwich and C-sandwich radome panel with the incorporation of array of single square loop FSS. Basic EM performance parameters like power transmission, power reflection, insertion phase delay (IPD) and cross-polarisation were computed for the FSS embedded structure. Superior EM performance characteristics are obtained with the application of array of single square loop FSS in radome panels.